

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-082-21
HURLEY QUADRANGLE
118 VA.-83 KY.
N3715-W8200/15
DIAGRAM NJ 17-7
JENKINS

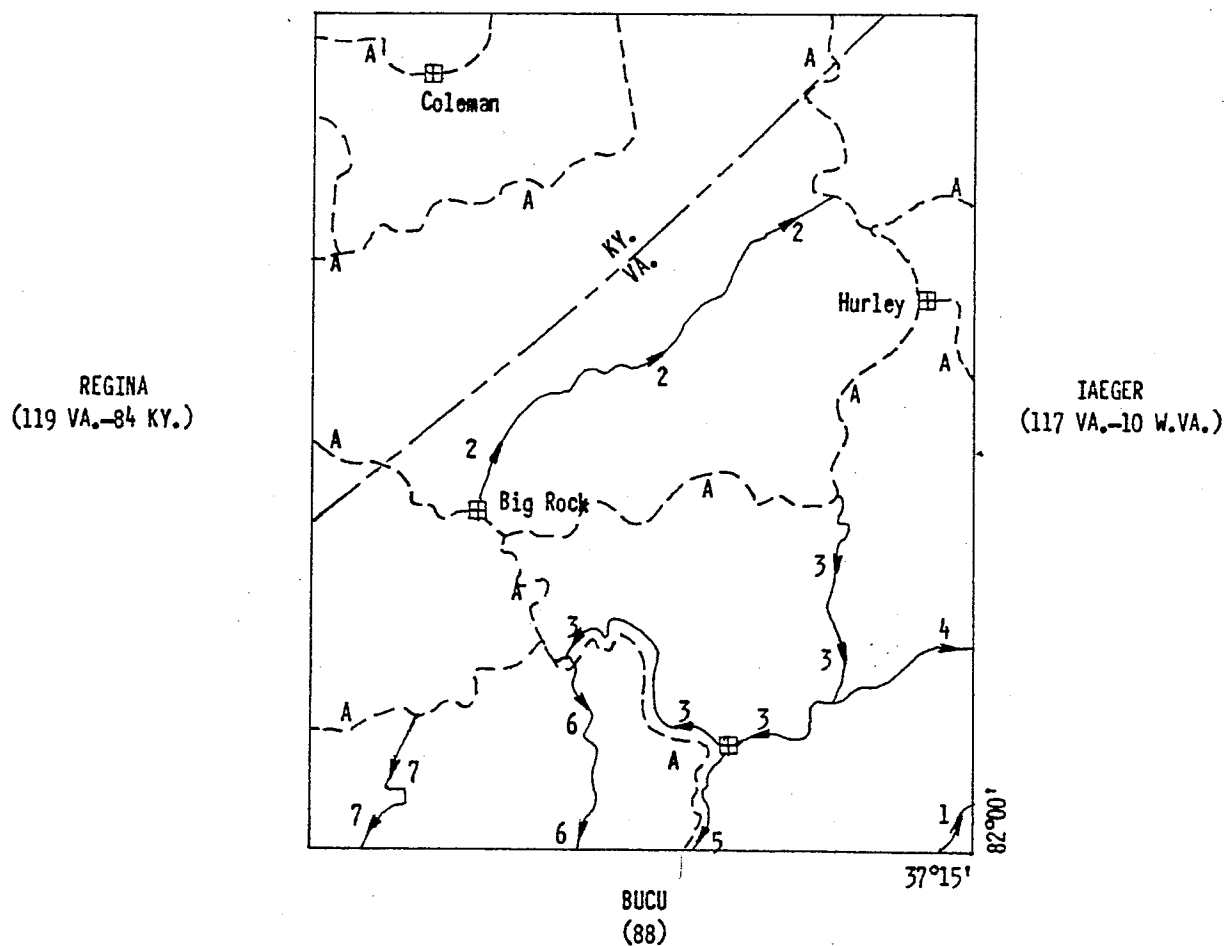
Buchanan County, Va.; Pike County, Ky.

Final adjustment of 1972

Edition of 6/21/73

PR: WSM/jyk

MATEWAN
(140 VA.-111 KY.-19 W.VA.)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370822

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HURLEY QUADRANGLE
Books A 9404 and 9587

118 VA.-83 KY.

E. E. Harris, 1914
S. R. Archer, 1915

ISOLATED BENCH MARKS (By E. E. Harris, 1914, S. R. Archer, 1915; Books A 9404 and 9587)

Feet

Middle Elk Creek; at residence of Eli Hurley; in concrete foundation of well; standard tablet stamped "855" (Reported not found, 1954)

855.5

Coleman; 150 ft W. of forks of Right Fork of Peter Creek; on N. side of Road Fork; in schoolhouse yard; 70 ft N. of rear of schoolhouse; at foot of hilltop; in sandstone boulder; standard tablet stamped "1039 KY" (Tied by NGS, 1953)

1039.175

Coleman, 2.8 mi W. of; 410 ft E. of gap in divide between Road Fork of Right Fork of Peter Creek and Road Fork of Johns Creek; on N. side of, and 4 ft higher than rd.; 20 ft NE. of 3-ft oak tree on S. side of rd.; in sandstone ledge; standard tablet stamped "1698 KY" (Reported not found, 1954)

1698.4

High Post Office, 1.1 mi E. of; on W. side of Second Fork of Big Creek; 300 ft N. of mouth; in face of rock cliff; standard tablet stamped "863 KY" (Reported not found, 1954)

862.9

Conway, about 0.5 mi NW. of; opposite mouth of Buckeye Branch; on E. side of rd.; in top of large sandstone rock; standard tablet stamped "944 VA"

944.2

Grundy, 2.5 mi E. of; 400 ft W. of, and upstream from house of Alfred Stacey; 200 ft E. of ford; on N. bank of Slate Creek; in boulder; standard tablet stamped "1148 VA"

1147.583

Grundy, 2.8 mi NW. of; 0.2 mi S. of Looneys Branch; at mouth of Skoots Branch; opposite dwelling of George Hurley on W. side of Levisa River; 15 ft W. of rd.; in boulder; standard tablet stamped "1001 VA"

1001.072

Grundy, 6.0 mi NW. of; 0.3 mi S. of mouth of Bull Creek; on E. side of rd.; in boulder; standard tablet stamped "1025 VA"

1024.980

Big Rock, 1.2 mi S. of; 500 ft W. of fork of rd. up Home Creek; on right side of rd.; in rock ledge; standard tablet stamped "907 VA"

907.142

Big Rock, 3.0 mi NE. of; opposite mouth of Dicks Fork; on S. side of rd.; in large sandstone rock; standard tablet not stamped (Reported destroyed, 1953)

1197.428

Punching Camp Branch, 200 ft N. of; on E. bank of creek; in large sandstone rock; standard tablet not stamped (Reported destroyed, 1953)

1175.638

Paw Paw Creek, 50 ft E. of forks; S. of store of J. H. May; in sandstone boulder; standard tablet stamped "971" (Reported destroyed, 1953)

971.082

Hurley; 150 ft N. of post office; on W. side of track; in concrete foundation of old burned mill; standard tablet stamped "969 VA"

968.980

Blackey; in concrete foundation of conveyor; standard tablet stamped "1081 VA"

1081.243

Maxie, 300 ft W. of; at forks of creek; on N. side of rd.; in boulder; standard tablet stamped "1163 VA"

1164.027

HURLEY QUADRANGLE

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ISOLATED BENCH MARKS (Cont'd.)Feet

Paw Paw Station, 1.4 mi N. of; opposite Sulphur Creek; on W. side of track; in large boulder; standard tablet stamped "904"

904.259

LINE 1.

W. D. Leech, 1946; Book V 288 a

Dismal Valley Country Club, 1.2 mi NE. of; 11.0 mi S. of Pilgrim Knob Post Office; 3.0 mi E. of junction of State Highway 638 and County Road 641; 10 ft S. of dwelling of Carl Cook; in yard; in large boulder; standard tablet stamped "TT 19 MS 1946"

1262.552

Reference mark; 50 ft N. of tablet; 20 ft N. of house; on boulder; chiseled square

1260.69

LINE 2.

W. S. Monk, 1960; Book AV 824

1	1	0.00	"B 316 1952" (NGS)	899.060
1	1	0.63	U.E., Big Rock; 35 ft N. of, and 1 ft higher than junction of U. S. Highway 460 and County Road 645; 7 ft SW. of Buchanan County Coal Corp. store building; on SW. corner of concrete step; chiseled cross	913.481
1	4	2.08	Big Rock; 1.2 mi N. of post office, along Rock Lick Creek; 0.6 mi SW. of store of Elsie Lester; 100 ft NNE. of centerline of rd. at drive to residence of Willard Smith; 56 ft W. of SW. corner post of yard fence; in NE. angle of drive and creek crossing in large boulder at edge of creek; standard tablet stamped "TT 6 JRH 1953 1001"	1000.798
1	7	3.90	Big Rock; 2.9 mi NE. of post office, along County Road 645; 26 ft S. and 21 ft W. of centerline of rd. at creek; at SE. edge of, and 2 ft higher than centerline of rd.; in rock outcrop; standard tablet stamped "TT 12 CWH 1953 1184" (Reported not found, 1963)	1184.018
1	12	6.25	Paw Paw; 4.8 mi SW. of store of J. H. May; 5.1 mi NE. of post office at Big Rock; at junction of County Road 643, along County Road 645; 15 ft NE. of centerline of rd. at crest of ridge; 12 ft NE. of, and 4 ft higher than junction of rd. SW.; set vertically in rock; standard tablet stamped "TT 11 CWH 1960 RESET 1969"	1769.110
1	14	6.80	U.E., Paw Paw, 4.3 mi SW. of; 50 ft S. of, and 6 ft higher than junction of Y-rd. to coal tipple; 25 ft SE. of rd.; 4 ft SW. of shed; on rock outcrop; chiseled cross	1459.86
1	16	7.79	U.E., Paw Paw, 3.2 mi SW. of; 95 ft S. and 30 ft E. of, and level with centerline of junction of Y-rd.; on center of boulder at E. edge of creek; chiseled cross	1179.88

HURLEY QUADRANGLE

118 VA.-83 KY.

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LINE 2 (Cont'd.)Feet

1	17	8.40	Paw Paw; 2.8 mi SW. of store of J. H. May; at junction of County Road 643; 21 ft NW. of, and 3 ft higher than centerline of County Road 645; 15 ft NE. of fence corner; 95 ft SW. of SW. corner of white frame house; in small boulder; standard tablet stamped "T 10 CWH 1953 1138"	1137.674
1	18	9.04	U.E., Kelsa, 2.3 mi SE. of; 80 ft N. of, and 3 ft lower than centerline of rd.; 9 ft S. of SE. corner of Ira School; on SE. corner of concrete steps; chiseled cross	1095.72
1	19	9.91	Kelsa; 1.4 mi SE. of general store of Robert May at junction of County Roads 643 and 645; at drain crossing; 24 ft SE. of centerline of wood bridge; 12 ft E. of, and level with centerline of rd.; in SE. concrete wingwall; standard tablet stamped "1 WSM 1960 1058"	1057.668
WL = 1050 ft				
1	22	11.32	Kelsa; 35 ft S. and 20 ft E. of, and level with junction of County Roads 645 and 643; 85 ft S. of SW. corner of general store of Robert May; 10 ft W. of E. end of bridge; in center of NE. concrete wingwall of bridge over Paw Paw Creek; standard tablet stamped "2 WSM 1960 974"	974.119
WL = 966 ft				
1	21	11.30	Reference mark; 85 ft N. of tablet; on W. end of concrete walk at SW. corner of general store of Robert May; chiseled cross	975.71
1	24	12.63	U.E., Kelsa, 1.3 mi NE. of; 25 ft N. of, and 2 ft lower than centerline of rd.; on N. end of NW. concrete wingwall; chiseled cross	929.68
1	25	13.35	"F 316 1952" (NGS)	937.104

LINE 3.

W. S. Monk, 1960; Book AV 824

1	26	0.00	"F 317 1952" (NGS)	1342.350
1	31	1.89	U.E., Roseann, 1.6 mi S. of; 80 ft N. of coal tipple; 25 ft E. of, and 12 ft higher than centerline of rd.; in top of boulder; copper plug; on sandstone ledge; chiseled mark	1841.05 1841.05
1	32	2.11	Roseann, 1.4 mi S. of; 4.6 mi E., thence 4.8 mi N. of Grundy, along Elkins Creek Road; 200 ft NNE. of shop building at Panther Coal Company; 21 ft E. of, and 3 ft higher than centerline of rd.; 32 ft W. of W. rail of mine track; 52 ft SW. of NW. corner of 150- by 30-ft metal building; in SE. end of boulder; standard tablet stamped "3 WSM 1960 1946"	1945.804

LINE 3 (Cont'd.)Feet

1	37	3.26	Grundy, 4.6 mi E. of, along State Highway 83, thence 3.6 mi N., along Elkins Creek Road; 360 ft W. of junction of Y-rd.; 19 ft NW. of, and 10 ft higher than centerline of rd.; in top of large boulder; standard tablet stamped "4 WSM 1960 1861"	1860.811
1	40	4.83	Grundy, 4.6 mi E. of, along State Highway 83, thence 2.1 mi N., along Elkins Creek Road; 400 ft S. of two-story white house on E. side of rd.; 320 ft N. of coal tipple; 24 ft E. of, and 4 ft higher than centerline of rd.; set vertically in rock ledge; standard tablet stamped "5 WSM 1960 1509"	1508.748
1	41	4.89	Reference mark; 320 ft S. of tablet; 20 ft E. of, and 6 ft higher than centerline of rd.; on SW. end of boulder; chiseled cross	1498.94
1	42	5.39	U.E., Grundy, 4.6 mi E. of, thence 1.5 mi N.; 45 ft W. of, and 2 ft lower than Elkins Creek Road; 35 ft NE. of NE. corner of church; on W. bank of creek; 6 ft above water; on large boulder; chiseled cross	1412.21
1	44	6.85	U.E., Grundy, 4.6 mi E. of, thence 0.5 mi N.; 75 ft E. of, and 1 ft lower than junction of State Highway 83 and Elkins Creek Road; on SE. corner of S. end of W. concrete abutment of bridge crossing Elkins Creek; chiseled cross	1207.41
WL = 1203 ft				
1	46	7.33	Grundy, 4.2 mi E. of; 80 ft E. of, and 1.0 ft lower than junction of State Highway 83 and Hobbs Branch Road; in top of N. end of W. concrete abutment of bridge over Slate Creek; standard tablet stamped "6 WSM 1960 RESET 1967"	1198.649
1	45	7.27	Reference mark; 320 ft NW. of tablet; 8 ft W. of NW. corner of two-story building; 50 ft E. of, and level with centerline of hwy.; on NW. corner of concrete porch; chiseled cross	1200.19
1	48	9.01	U.E., Grundy, 2.5 mi E. of; 40 ft SW. of, and 1 ft higher than junction of Y-rd.; on center of top concrete step; chiseled cross	1147.22
1	49	9.83	Grundy, 1.7 mi E. of; 60 ft S. of, and 8 ft lower than centerline of State Highway 83; 130 ft E. of mouth of Mill Branch; 4 ft above water; set vertically in W. end of center concrete tier for bridge over Slate Creek to Mountain Mission School Dairy; standard tablet stamped "7 WSM 1960 1106"	1106.171
1	52	11.50	Grundy; at Buchanan County Courthouse; in N. end of fourth step; standard tablet stamped "1050 VA"	1049.808

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LINE 3 (Cont'd.)Feet

1	54	12.83	U.E., Grundy, 1.3 mi NW. of; 25 ft N. of, and level with centerline of hwy.; 4 ft W. of SE. end of stone wall at residence of Leaina Comb; on cut sandstone block; chiseled cross	1027.72
1	56	13.42	Grundy, 2.0 mi NW. of; 480 ft S. of U. S. Highway 460; 16 ft S. of S. track; 2 ft above N. & W. Ry.; 770 ft W. of grade crossing; 5 ft S. of milepost D33; set vertically in rock ledge; standard tablet stamped "8 WSM 1960 1029"	1028.932
1	55	13.42	Reference mark; 32 ft N. of tablet; on S. end of W. concrete rail rack; chiseled cross	1025.93
1	58	14.58	U.E., Grundy, 3.3 mi NW. of; 110 ft E. of gaging station; 80 ft NE. of, and 2 ft lower than junction of Y-rd.; on SW. corner of concrete slab at SW. corner of Kisers metal shop; chiseled cross	1002.30
1	59	15.28	Grundy, 3.8 mi NW. of; 300 ft S. and 55 ft E. of, and 8 ft higher than junction of U. S. Highway 460 and Looney Creek Road; 170 ft SE. of SE. corner of brick residence of P. F. Bevins; 30 ft N. of Stanford advertising signboard; in N. end of rock ledge; standard tablet stamped "9 WSM 1960 1002"	1001.762
1	60	16.05	U.E., Grundy, 4.6 mi NW. of; 25 ft S. and 1 ft above U. S. Highway 460; on NE. corner of concrete steps at entrance to brick residence of R. A. Skeens; chiseled cross	989.23
1	65	17.52	Grundy, 6.0 mi NW. of; at N. & W. Ry. bridge No. 2516 over Poplar Creek; 3 ft N. of bridge seat; 4 ft N. of, and 3 ft lower than N. rail; in N. end of W. concrete abutment; standard tablet stamped "10 WSM 1960 971" WL = 955 ft	970.597
1	62	17.43	Reference mark No. 1; 250 ft NNW. of tablet; on E. end of S. concrete abutment of steel girder bridge over Levisa River; chiseled cross	973.81
1	63	17.51	Reference mark No. 2; 65 ft SE. of tablet; in S. end of E. concrete abutment of railway bridge No. 2516 over Poplar Creek; bolt	974.82
1	66	19.02	U.E., Grundy, 7.5 mi NW. of; on E. end of N. concrete abutment of N. & W. Ry. bridge 2514 over Levisa River; chiseled cross	954.57
1	67	19.32	"U 316 1952" (NGS)	968.108

LINE 4.

W. S. Monk, 1960; Book AV 824

1	68	0.00	U.E., chiseled cross (Described in line 3)	1207.41
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HURLEY QUADRANGLE

118 VA.-83 KY.

LINE 4 (Cont'd.)Feet

1	69	1.49	Stacy, 3.5 mi W. of; 700 ft E. of house at mouth of Mill Creek; on left side of rd.; in boulder; standard tablet stamped "1271 VA"	1270.874
1	72	2.95	Stacy; 1.3 mi W. of junction of State Highway 83 and County Road 643; 0.19 mi E. of Church of God; 140 ft W. of body shop of Otis Matney; 20 ft N. of, and 5 ft higher than centerline of Highway 83; set vertically in rock ledge; standard tablet stamped "11 WSM 1960 1343"	1343.278
1	74	4.43	"N 328 1958" (NGS)	1460.043

LINE 5.

W. S. Monk, 1960; Book AV 824

2	1	0.00	"1050 VA" (Described in line 3)	1049.808
2	11	0.77	U.E., Grundy, 0.8 mi SE. of; 50 ft W. of, and 1 ft lower than junction of State Highway 460 and Hoot Owl Road; on N. end of E. abutment of concrete bridge over Levisa River; chiseled cross	1054.72
WL = 1039 ft				
2	2	1.86	U.E., Grundy, 1.9 mi SE. of; 170 ft SE. of, and 2 ft higher than junction of U. S. Highway 460 and Watkins Street; on N. end of concrete sidewalk at Watkins Branch; chiseled cross	1077.85
WL = 1067 ft				
2	3	2.65	Grundy, 2.7 mi SE. of, along U. S. Highway 460; 320 ft S. of junction of Y-rd. SW.; 12 ft N. of N. rail and level with N. & W. Ry. track; in E. end of N. headwall of concrete culvert at mouth of Little Prater Creek; standard tablet stamped "12 WSM 1960 1090"	1090.244
WL = 1073 ft				
2	4	2.66	Reference mark; 40 ft SW. of tablet; in W. end of S. concrete headwall of culvert; bolt	1090.66

LINE 6.

W. S. Monk, 1960; Book AV 824

2	15	0.00	"10 WSM 1960 971" (Described in line 3)	970.597
2	16	1.63	U.E., Harman, 1.6 mi S. of; 45 ft SE. of, and 2 ft higher than junction of Y-rd.; on S. end of W. concrete abutment of bridge over Poplar Creek; chiseled cross	1167.10
2	17	2.30	Harman, 2.3 mi S. of, along Poplar Creek Road; 450 ft NW. of junction of Y-rd; 40 ft NE. of, and 15 ft higher than centerline of rd.; near center of, and in S. end of large boulder; standard tablet stamped "15 WSM 1960 1245"	1245.098

HURLEY QUADRANGLE

118 VA.-83 KY.

LINE 6 (Cont'd.)Feet

2	18	3.15	U.E., Harman, 3.2 mi S. of; 19 ft S. of SE. corner of Poplar Scho. 1; 55 ft E. of, and 2 ft higher than centerline of rd.; on NW. corner of wellcover; chiseled cross	1296.95
2	20	4.11	U.E., Harman, 4.1 mi S. of; 125 ft NE. of centerline of rd. at drain crossing; 40 ft E. of, and 1 ft lower than rd.; on SW. end of large boulder; chiseled cross	1416.02
2	21	4.69	Grundy; 3.0 mi W. of junction of Hoot Owl Road and U. S. Highway 460, thence 2.4 mi S.; 1.4 mi S. of Poplar Creek Church of Christ; 0.22 mi S. of junction of Y-rd. at Camp Branch; 70 ft S. of springhouse; 35 ft E. of, and 13 ft higher than centerline of rd.; in NW. corner of 5- by 2-ft concrete watering trough; standard tablet stamped "16 WSM 1960 1519"	1519.456
2	22	4.70	Reference mark; 20 ft E. of tablet; on center of large boulder; chiseled cross	1527.20

LINE 7.

W. S. Monk, 1960; Book AV 824

4	25	0.00	"N 317 1952" (NGS)	1289.151
4	30	1.39	U.E., Harman, 0.2 mi W. of, thence 1.2 mi S.; 25 ft E. of centerline of rd. at junction of Y-trail; 4 ft higher than centerline of rd. opposite; on N. end of rock ledge; chiseled cross	1819.16
4	33	2.35	Harman, 0.2 mi W. of, thence 2.0 mi S.; at top of mountain; 45 ft W. of, and 5 ft higher than centerline of rd.; at SE. corner of residence of Bart Yates; set vertically in stone foundation; standard tablet stamped "41 WSM 1960 2152"	2151.723

2

118 VA. - 85 KY.
N3715-48200/15
DIAGRAM NJ 17-7
JENKINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

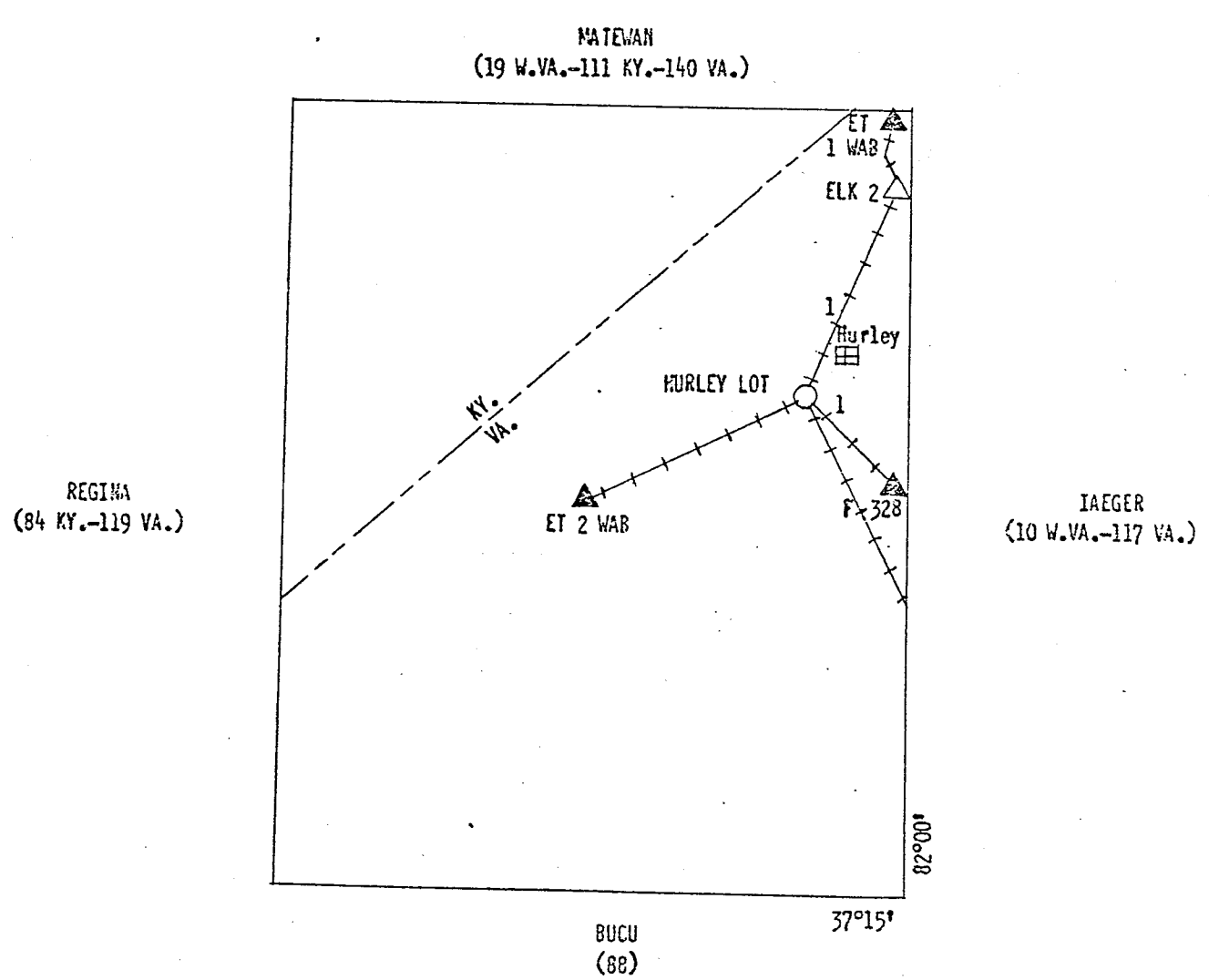
Buchanan and Dickenson Counties, Va.;
Pike County, Ky.

Edition of 1/21/76

PR: CRV/rmp

Plane coordinates are based on Lambert
projection, Kentucky, South Zone, and Virginia,
South Zone

Only the permanent marks are listed for control classified obsolete and are not shown on sketch



✓

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

118 VA.-83 KY.
HURLEY QUADRANGLE

37-082-21
N3715-W8200/15

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118 VA.-83 KY.
HURLEY QUADRANGLE

37-032-21

3

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By J. A. Mathias, 1946; Book H252

Oakwood, 3.3 mi NW. of, along U.S. Highway 460, thence 3.0 mi NE.; 11.2 mi W. of post office at Pilgrim Knob; 10 ft S. of residence of Carl Cook; in large boulder; standard tablet stamped "TI 19 MS 1946"

VA. S.) X = 979,926 Y = 355,436 37 15 27.22 82 00 20.81

By T. W. Cayce, 1952; Book AH 270

Coleman, 4.6 mi W. of, along State Highway 632; 0.8 mi E. of Edo Freewill Baptist Church; 33 ft S. of junction of rd. NW.; 29 ft SE. of centerline of rd.; 103 ft ESE. of S. corner of farmhouse; 17 ft NE. of N. end of foot bridge over Johns Creek; 4 ft E. of SE. corner of tool shed; in concrete post; standard tablet stamped "TI 96 TWC 1952 1354.354"

X = 912,445 Y = 443,778 37 29 34.43 82 14 58.24

Woodman, 3.5 mi S. of, along Norfolk and Western Railroad; at Burke; 13 ft W. of W. rail of southbound track; in concrete post; standard tablet stamped "TI 102 TWC 1952 879.247" (Reported destroyed, 1962)

X = 969,798 Y = 438,022 37 28 59.49 82 03 04.41

Correale Mining Company, 0.7 mi W. of main office, along private mining rd. up mountain; at first U-curve on mountain rd.; 37 ft N. of centerline of rd.; 23 ft W. of centerline of drain; 13 ft SE. of 26 in. poplar tree; in concrete post; standard tablet stamped "TI 103 TWC 1952"

X = 976,772 Y = 434,506 37 28 27.33 82 01 36.32

By C. W. Haas, 1953; Book AH 316

Woodman, 3.6 mi S. of station, along N. & W. RR.; at Burke; 56 ft S. of switch stand; 18 ft E. of, and 4 ft higher than E. rail of main track; 4 ft SW. of, and 4 ft lower than 12 in. triangle cut in face of ledge; in outcropping ledge of rock cut; NGS standard disk stamped "Z 315 1952 884.070"

X = 969,812 Y = 437,912 37 28 58.40 82 03 04.19

Kelsa, 3.0 mi N. of bridge over Knox Creek, along N. & W. RR.; 0.8 mi S. of station at Burke; 0.7 mi N. of Ky.-Va. State line; 0.1 mi SW. of milepost B5; 67 ft SE. of dim rd. crossing; 62 ft SE. of, and 3 ft lower than SE. rail of track; 38 ft E. of centerline of dim rd. S.; in rock cliff; NGS standard disk stamped "Y 315 1952 888.817"

X = 965,977 Y = 436,853 37 28 46.51 82 03 51.23

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd)

Kelsa, 2.0 mi N. of bridge over Knox Creek, along N. & W. RR.; 0.4 mi S. of Ky.-Va. State Line; 0.2 mi S. of milepost D 6; 333 ft S. of E. end of S. abutment of RR. bridge over Knox Creek; 15 ft E. of E. rail; in rock ledge at N. end of cut; NGS standard disk stamped "S 316 1952 910.067"

Va. S.) X = 967,803 Y = 432,846 37 28 07.60 82 03 26.72

Kelsa, 1.0 mi N. of bridge over Knox Creek, along N. & W. RR.; 0.2 mi NE. of RR. bridge over Knox Creek; 0.2 mi SW. of milepost D 7; 195 ft S. of S. end of E. headwall of pipe culvert; 44 ft S. of, and 2 ft lower than 12 in. triangle chiseled in face of cut; 13 ft E. of E. rail; 12 ft N. of telephone and power pole; in top of ledge in rock cut; NGS standard disk stamped "E 316 1952 920.743"

X = 969,940 Y = 428,721 37 27 27.64 82 02 58.31

Kelsa, 0.4 mi SW. of; 1.2 mi NE. of store of J. H. May; 17 ft S. and 15 ft E. of center of bridge over creek; in SE. stone wingwall of bridge; standard tablet stamped "TI 8 CWH 1953" (Reported destroyed, 1953)

X = 965,046 Y = 423,559 37 26 34.81 82 03 56.55

Ira, 0.5 mi S. of; 1.0 mi SW. of store of J. H. May; 10 ft S. and 10 ft W. of center of bridge over creek; in SW. wingwall of bridge; standard tablet stamped "TI 9 CWH 1953"

X = 957,978 Y = 416,679 37 25 24.19 82 05 20.89

Ira, 2.3 mi SW. of; 21 ft NW. of centerline of rd.; 42 ft SW. of gasoline pump; 15 ft NE. of fence corner; in rock outcrop; standard tablet stamped "TI 10 CWH 1953 1138"

X = 951,921 Y = 410,646 37 24 22.30 82 06 33.05

Ira, 4.3 mi SW. of; 5.1 mi NE. of post office at Big Rock; 15 ft NE. of centerline of rd. at crest of ridge; in rock; standard tablet stamped "TI 11 CWH 1953 RESET 1960 1769"

X = 945,495 Y = 406,698 37 23 40.85 82 07 50.76

Big Rock, 2.9 mi NE. of post office; 26 ft S. and 21 ft W. of centerline of rd. at creek; at SE. edge of creek; in rock outcrop; standard tablet stamped "TI 12 CWH 1953 1184"

X = 935,752 Y = 404,703 37 23 17.42 82 09 50.45

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd)

Big Rock, 1.2 mi N. of post office, along Rock Lick Creek; 0.6 mi SW. of store of Elsie Lester; 100 ft NW. of centerline of rd. at drive to residence of Willard Smith; 56 ft W. of SW. corner post of yard fence; in NE. angle of drive and creek crossing; in large boulder at edge of creek; standard tablet stamped "TT 6 JRH 1953 1001"

Va. S.) X = 930,246 Y = 398,503 37 22 14.05 82 10 55.62

Conoway, 0.1 mi SE. of post office, along U.S. Highway 460; 23 ft SW. of, and 3 ft higher than centerline of hwy.; 229 ft NE. of SW. end of NW. abutment of bridge over Conoway Creek; 20 ft SE. of SW. end of 16 in. pipe culvert with stone headwall; in rock cut; RGS standard disk stamped "A 316 1952 863.847"

X = 922,060 Y = 391,852 37 21 05.17 82 12 33.72

Conoway, 1.7 mi S. of junction of U. S. Highway 460, along State Highway 610; 4 ft SE. of SE. corner of abandoned school; in large boulder; standard tablet stamped "TT 13 CWH 1953"

X = 921,567 Y = 384,445 37 19 51.80 82 12 36.22

Conoway, 3.8 mi SW. of junction of U. S. Highway 460, along State Highway 610; 25 ft W. of centerline of rd.; 50 ft W. of house; on W. side of creek; in boulder; standard tablet stamped "TT 14 CWH 1953"

X = 914,554 Y = 379,481 37 19 00.02 82 14 00.55

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1975

LINE 1.

By W. S. Blackmer, 196; Book AH 662

RGS standard triangulation station disk stamped "ELK 2 1934"

X = 983,299.84 Y = 436,273.30 37 28 47.193 82 00 16.207

Hurley, 3.1 mi NW. of junction of State Highways 643 and 650, along State Highway 643 to junction of State Highway 694, thence right across bridge 0.1 mi along Highway 694, thence right under RR. 4.1 mi along State Highway 697 to graveled rd. E., thence 0.2 mi right across bridge to RR. overpass, thence 1.6 mi under RR. along graveled rd. to I-rd. N., thence N. over RR. grade crossing, thence 2.4 mi along mine rd. known as "Old Strip Road" to junction of I-rd. at gap at base of large knob at head of Middle Elk Creek, thence 1.1 mi N. and NW. through gap along main coal rd. to fork, thence 0.2 mi E. to trail W.; 19 ft N. and 58 ft W. of trail W.; in outcropping boulder; standard tablet stamped "ET 1 WAB 1961"

X = 982,356 Y = 442,696 37 29 50.30 82 00 30.87

118 VA.-83 KY.
HURLEY QUADRANGLE

37-082-21
6

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

LINE 1 (Cont'd)

HURLEY LOOKOUT TOWER

Va. S.) X = 971,976 Y = 409,879 37 24 22.23 82 02 24.32

Big Rock, 0.1 mi across bridge from junction of U.S. Highway 460 and State Highway 645, thence 1.0 mi E. along State Highway 700 to junction of State Highway 650, thence 2.4 mi along Highway 650 to junction of State Highway 659 at I-rd. NE., thence 1.7 mi NE. along Highway 659 to residence of Mr. Woodrow Wallace; 190 ft N. of house; in outcropping boulder on slope; standard tablet stamped "ET 2 WAB 1961"

X = 945,425 Y = 399,565 37 22 29.70 82 07 48.23

Blackey; 19 ft N. of centerline of rd.; 300 ft W. of W. end of steel bridge over Knox Creek; in S. face of layer of rock in cut and under overhanging cut; NGS standard disk stamped "F 328 1958"

X = 981,681 Y = 399,420 37 22 42.47 82 00 19.10